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**To: ALVIN STEWART**  
**Location: RND-6D01**  
**Art Unit: 3774**  
**Monday, March 30, 2009**

**Case Serial Number: 10/713837**

**From: TERRENCE SOLOMON**  
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## **Search Notes**

US pat. 5865846 is not involved in any current or past litigation.

### **Sources:**

- Lexis/Nexis
- Courtlink
- Questel-Orbit

856513 (08) 5865846 February 2, 1999

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

**5865846**

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February 2, 1999

Human spinal disc prosthesis

**REISSUE:** February 2, 2001 - Reissue Application filed Ex. Gp.: 3738; Re. S.N. 09/776,394  
(O.G. April 10, 2001)


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**GRANTED-DATE:** February 2, 1999

**LEGAL-REP:** Hill & Simpson

**CORE TERMS:** vertebral, disc, patient, endoprosthesis, spine, endoprosthetic, concaval-convex, seal, bone, prosthetic ...

Source: [Legal > / ... / > Utility, Design and Plant Patents](#) 

Terms: **patno=5865846** ([Edit Search](#) | [Suggest Terms for My Search](#))

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Segments: Assignee, Cert-correction, Legal-rep, Legal-status, Lit-reex, Opposition, Patno, Reexam-cert, Reexam-litigate, Reissue, Reissue-comment, Title

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Patent Search 5,865,846 3/30/2009

No cases found.

Selected file: PLUSPAT  
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\*\* SS 1: Results 1  
PRT SS 1 MAX 1 LEGALALL

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**Patent Number :**

US5865846 A 19990202 [US5865846]

**Title :**

(A) Human spinal disc prosthesis

**Inventor(s) :**

(A) BRYAN VINCENT (US); KUNZLER ALEX (US)

**Application Nbr :**

US85651397 19970515 [1997US-0856513]

**Filing Details :**

Divsn of US681230 19960722 [1996US-0681230]

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CA2202453 19970411 [1997CA-2202453]

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**Intl Patent Class :**

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**IPC Advanced All :**

A61F-002/30 [2006-01 A - I R M EP]; A61F-002/44 [2006-01 A - I R M EP]

A61B-017/00 [2006-01 A - N R M EP]; A61B-017/68 [2006-01 A - N R M EP];

A61B-017/70 [2006-01 A - N R M EP]; A61B-017/86 [2006-01 A - N R M EP];

A61F-002/00 [2006-01 A - N R M EP]; A61F-002/08 [2006-01 A - N R M EP]

**IPC Core All :**

A61F-002/30 [2006 C - I R M EP]; A61F-002/44 [2006 C - I R M EP]

A61B-017/00 [2006 C - N R M EP]; A61B-017/68 [2006 C - N R M EP];

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**EPO ECLA Class :**

A61F-002/30B8

A61F-002/44

A61F-002/44D

A61F-002/44D2

**EPO ICO Class :**

K61B-017/00A

K61B-017/68P

K61B-017/70K

K61B-017/86

K61F-002/00A2E

K61F-002/00A2F

K61F-002/00K2C

K61F-002/00K6L

K61F-002/00N4

K61F-002/00T1T

K61F-002/00T4

K61F-002/00T7

K61F-002/00T8

K61F-002/00T9

K61F-002/00T11

K61F-002/00T12B

K61F-002/00T14

K61F-002/00T32

K61F-002/00T33G

K61F-002/00T33V

K61F-002/00W87  
K61F-002/00W95  
K61F-002/00Y1  
K61F-002/00Y2M  
K61F-002/00Y3T  
K61F-002/00Y5E  
K61F-002/08B  
K61F-002/30D  
K61F-002/30E  
K61F-002/30J  
K61F-002/30K  
K61F-002/30L2  
K61F-002/30L2A  
K61F-002/30L2A9P  
K61F-002/30N  
K61F-002/30U  
K61F-002/44D2M

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ORIGINAL (O) : 128898000; CROSS-REFERENCE (X) : 606086000R 606087000  
606247000 606279000 623017160

**Document Type :**

Corresponding document; Intellectual family

**Citations :**

Cited in the search report

-US2677369(A) [US2677369]  
-US4599086(A) [US4599086]  
-US4911718(A) [US4911718]  
-US4932969(A) [US4932969]  
-US4997432(A) [US4997432]  
-US5192326(A) [US5192326]  
-US5246458(A) [US5246458]  
-US5370697(A) [US5370697]  
-US5556431(A) [US5556431]  
-US5674294(A) [US5674294]

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(A) United States patent

**Abstract :**

The invention relates to a spinal disc endoprosthesis. The endoprosthesis has a resilient body formed of one or more materials which may vary in stiffness from a relatively stiff exterior annular gasket portion to a relatively supple central nucleus portion. Concave-convex elements at least partly surround that nucleus portion so as to retain the nucleus portion and gasket between adjacent vertebral bodies in a patient's spine. Assemblies of endoprosthetic discs, endoprosthetic vertebral bodies, and endoprosthetic longitudinal ligaments may be constructed. To implant this endoprosthesis assembly, information is obtained regarding the size, shape, and nature of a patient's damaged spine. Thereafter, one or more prosthetic vertebral bodies and disc units are constructed in conformity with that information. Finally, the completed and conformed vertebral body and disc assembly is implanted in the patient's spine.

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19970515 US-API [POS; EXM]

FILING DETAILS

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**Action Taken :**  
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1 / 1 CRXX - ©CLAIMS/RRX  
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**Patent Assignee :**  
Bryan, Vincent; Kunzler, Alex  
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